

## ABSTRACT OF THE DISCLOSURE

A cellular phone system, in which the probability generating a call drop is lowered and the processing ability in a base station controlling apparatus can be used effectively, is provided. At a cellular phone system, in which a mobile communication terminal can connect to a first base station by using a carrier frequency and can connect to a second base station by using a different carrier frequency, the mobile communication terminal measures reception quality in the carrier frequencies during the communication with the first base station. When the currently using carrier frequency is changed over to the different carrier frequency based on the measured results of the reception quality, a threshold value for changing over to the different carrier frequency is changed corresponding to the traffic in the currently using carrier frequency by the base station controlling apparatus.